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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/765,998

01/29/2004

Cassius Almeida

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3635

181 7590 01/27/2009
MILES & STOCKBRIDGE PC
1751 PINNACLE DRIVE
SUITE 500
MCLEAN, VA 22102-3833

EXAMINER

CAMPEN, KELLY SCAGGS

ART UNIT

PAPER NUMBER

3691

NOTIFICATION DATE

DELIVERY MODE

01/27/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/765,998	Applicant(s) ALMEIDA ET AL.	
	Examiner KELLY CAMPEN	Art Unit 3691	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 October 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 37-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13,37-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The following is in response to the amendments and remarks filed 10/7/2008, claims 1-13 and 37-40 are pending, claims 14-36 have been cancelled.

Response to Amendment

The amendment filed 10/07/2008 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: a first plurality of concentric bands each having a dimension determined based on ask size information, and (ii) a second plurality of concentric bands each having a dimension determined based on bid size information.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Objections

Claim 39 objected to because of the following informalities: there appears to be a typographical error as a period [.] was not included at the end of the claim. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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Claims 1-13, 30-37 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The defining of the concentric bands, the first and second plurality and the analysis and function of such is not described in the original disclosure. The term “concentric” is not in the original specification as filed.

In view of the extensive 35 USC 112 1st paragraph rejections, the prior art has been applied as best may be interpreted.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-13, 30-37 are rejected under 35 U.S.C. 102(a) as being anticipated by Tenorio (US 2002/0082849)

Tenorio discloses a quote and order entry system comprising: a quote interface module adapted to receive information from a quote information source, the quote interface module assembling the received information in an interactive user interface, wherein in the interactive

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user interface a first category of information is displayed together with a first plurality of concentric bands each having a dimension determined based on ask size information and a second plurality of concentric bands each having a dimension determined based on bid size information (abstract, figure 3, see paragraph [0006], [0013]-[0017]).

Specifically as to claim 2, wherein the first category of information comprises one or more of a stock symbol, last price information, bid tick information, bid price information, price change for day information, ask price information, last size information, a split-buy button and a split-sell button (see paragraph [0006]).

Specifically as to claim 3, wherein the bands of the first plurality and the bands of the second plurality are dynamic and are capable of being resized based on liquidity (see paragraph [0020], [0021]).

Specifically as to claim 4, wherein the bands of the first plurality and the bands of the second plurality are selectable (see paragraph [0020]-[0023]).

Specifically as to claim 5, wherein upon selection of a band of the one or more bands representing ask size information and the one or more bands representing bid size information, an order module assembles an order based on section information and information associated with the selected band (see paragraph [0024]).

Specifically as to claim 6, the information associated with the selected band comprises price point information (see paragraph [0024]-[0025]).

Specifically as to claim 7, wherein the selected band further includes market participant information including at least one of market-maker identifiers, exchange identifiers and Electronic Communication Network identifiers (see paragraph [0014]).

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Specifically as to claim 8, wherein the one or more bands representing ask size information and the one or more bands representing bid size information are resizable based on at least one of linear proportions, logarithmic proportions, linear resizable proportions and scale to fit (see paragraph [0015],[0018], [0020]).

Specifically as to claim 9, further comprising a stop button that freezes the one or more bands representing ask size information and the one or more bands representing bid size information (design choice-- see paragraph [0006], [0020]).

Specifically as to claim 10, wherein the one or more bands representing ask size information and the one or more bands representing bid size information are user configurable such that at least one of color, size, font, refresh rate, minimum band width, maximum band width and proportionalities can be selected (figures 1, 3, and see paragraph [0020]).

Specifically as to claim 11, a summary module adapted to display at least one of summary information and order information (figures 1, 3, and see paragraph [0020], Tenorio is capable of performing this function).

Specifically as to claim 12, an order module that is capable of assembling and displaying one or more of an order preview interface and an order confirmation interface (figures 1, 3, and see paragraph [0020], Tenorio is capable of performing this function).

Specifically as to claim 13, an order preview interface and an order confirmation interface are capable of being disabled to allow one-click transactions (figures 1, 3, and see paragraph [0020], Tenorio is capable of performing this function).

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Specifically as to claim 37, the first plurality of bands and the second plurality of bands are disposed to opposite sides of a common center so as to be opposed to each other (abstract, figures 1 and 3, see paragraph [0006], [0013]-[0017]).

Specifically as to claim 38, bands of the first plurality have respective widths that vary based on ask size information, and the bands of the second plurality have respective widths that vary based on bid size information (abstract, figures 1 and 3, see paragraph [0006], [0013]-[0017]).

Specifically as to claim 39, each band of the first plurality has a color different from that of any adjacent band of the first plurality, and wherein each band of the second plurality has a color different from that of any adjacent band of the second plurality (abstract, figures 1 and 3, see paragraph [0006], [0013]-[0017]).

Specifically as to claim 40, the bands of the first plurality and the bands of the second plurality are arc-shaped (abstract, figures 1 and 3, see paragraph [0006], [0013]-[0017]).

Examiner's Note

Examiner has cited particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant, in preparing the responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

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Response to Arguments

In response to applicant's confusion over the clear typographical error in the prior office action, the rejection was clearly directed to Tenorio and not to Gomber et al. as Gomber is clearly listed as art which was cited and ***not*** relied upon. Examiner has corrected the typographical error.

Applicant's arguments filed 10/07/2008 have been fully considered but they are not persuasive.

In response to applicant's argument that the first category of information is displayed together with (i) a first plurality of concentric bands each having a dimension determined based on ask size information, and (ii) a second plurality of concentric bands each having a dimension determined based on bid size information, a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KELLY CAMPEN whose telephone number is (571)272-6740. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Kalinowski can be reached on (571) 272-6771. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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